SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Reinherz, Ellis
           Clayton, Linda
           Ocain, Timothy D.
           Patch, Raymond J.

(ii) TITLE OF INVENTION: THYMOCYTE CASPASE ACTIVITY
        AND NEGATIVE SELECTION

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:
  (A) ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
  (B) STREET: Two Militia Drive
  (C) CITY: Lexington
  (D) STATE: MA
  (E) COUNTRY: USA
  (F) ZIP: 02173

(v) COMPUTER READABLE FORM:
  (A) MEDIUM TYPE: Diskette
  (B) COMPUTER: IBM Compatible
  (C) OPERATING SYSTEM: Windows 95
  (D) SOFTWARE: FastSEQ for Windows Version 2.0b

(vi) CURRENT APPLICATION DATA:
  (A) APPLICATION NUMBER: 08/948,124
  (B) FILING DATE: 09-OCT-1997
  (C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
  (A) APPLICATION NUMBER: 08/802,474
  (B) FILING DATE: 18-FEB-1997

(viii) ATTORNEY/AGENT INFORMATION:
  (A) NAME: Carroll, Alice O
  (B) REGISTRATION NUMBER: 33,542
  (C) REFERENCE/DOCKET NUMBER: DFCI-522A

(ix) TELECOMMUNICATION INFORMATION:
  (A) TELEPHONE: 781-861-6240
  (B) TELEFAX: 781-861-9540
  (C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

  (i) SEQUENCE CHARACTERISTICS:
    (A) LENGTH: 5 amino acids
    (B) TYPE: amino acid
    (C) STRANDEDNESS: single
    (D) TOPOLOGY: linear

  (ii) MOLECULE TYPE: peptide

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gln Ala Cys Xaa Gly
1   5

(2) INFORMATION FOR SEQ ID NO:2:

  (i) SEQUENCE CHARACTERISTICS:
    (A) LENGTH: 4 amino acids
    (B) TYPE: amino acid
    (C) STRANDEDNESS: single
    (D) TOPOLOGY: linear

  (ii) MOLECULE TYPE: peptide

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Tyr Val Ala Asp
1

(2) INFORMATION FOR SEQ ID NO:3:

  (i) SEQUENCE CHARACTERISTICS:
    (A) LENGTH: 4 amino acids
    (B) TYPE: amino acid
    (C) STRANDEDNESS: single
    (D) TOPOLOGY: linear

  (ii) MOLECULE TYPE: peptide

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Asp Glu Val Asp
1

(2) INFORMATION FOR SEQ ID NO:4:

   (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 9 amino acids
     (B) TYPE: amino acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

  (ii) MOLECULE TYPE: peptide

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Phe Ala Pro Gly Asn Tyr Pro Ala Leu
1   5

    (2) INFORMATION FOR SEQ ID NO:5:

   (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 100 base pairs
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CTCGAGACCT GTGTGGATTA AAAACCTCTC TGATTCTGGT TTGCTTTTCT GTTTCCAAGC   60
AGGGGTGAGA GGAGACTCCG TGACCCAGAC AGAAGGCCTG   100

    (2) INFORMATION FOR SEQ ID NO:6:

   (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 69 base pairs
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCGGCCGCTT GGGCCCAAGA AACTGTCATC AAACGTACGT GCTATAACCT TCAGTCTGGT   60
ACCTGCTCC   69

    (2) INFORMATION FOR SEQ ID NO:7:

   (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 86 base pairs
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

ATCGATTCCC CTTCTTGTCT GTATTTACAT CTTTTGTTTT CTTCTCTTCT AGGATCAGCA   60
GATTCTGGGG TTGTCCAGTC TCCAAG   86

     (2) INFORMATION FOR SEQ ID NO:8:

    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 56 base pairs
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

GCGGCCGCAC GTGGGGCCCC AGCTCACCTA AAACCGTGAG CCTGGTGCCG GGACCG   56

     (2) INFORMATION FOR SEQ ID NO:9:

    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 8 amino acids
     (B) TYPE: amino acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: peptide

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Arg Gly Tyr Val Tyr Gln Gly Leu
 1   5